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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/590,663	06/01/2007	Hideo Kobayashi	Q96644	2137	
23373 7590 03/17/2011 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAMINER		
			MACARTHUR, SYLVIA		
			ART UNIT	PAPER NUMBER	
			1716		
			NOTIFICATION DATE	DELIVERY MODE	
			03/17/2011	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)			
		10/590,663	KOBAYASHI, HIDEO			
O	ffice Action Summary	Examiner	Art Unit			
		Sylvia R. MacArthur	1716			
The Period for Rep	MAILING DATE of this communication app lly	pears on the cover sheet with the c	orrespondence address			
WHICHEVE - Extensions of after SIX (6) I - If NO period I - Failure to rep Any reply rec	ENED STATUTORY PERIOD FOR REPLY ER IS LONGER, FROM THE MAILING DAY time may be available under the provisions of 37 CFR 1.13 MONTHS from the mailing date of this communication. For reply is specified above, the maximum statutory period volve within the set or extended period for reply will, by statute, eived by the Office later than three months after the mailing the term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timused and will expire SIX (6) MONTHS from a cause the application to become ABANDONE!	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).			
Status						
1)⊠ Besp	onsive to communication(s) filed on 26 Ja	anuary 2011				
′ <u> </u>	. ,	action is non-final.				
<i>,</i> —	-					
,—	d in accordance with the practice under E					
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Disposition of						
4a) O 5) ☐ Claim 6) ☑ Claim 7) ☐ Claim	n(s) 1-13 is/are pending in the application. If the above claim(s) is/are withdrawn(s) is/are allowed. n(s) 1-13 is/are rejected. n(s) is/are objected to. n(s) are subject to restriction and/or	vn from consideration.				
Application Pa	apers					
10) The d Applic	pecification is objected to by the Examine rawing(s) filed on 25 August 2006 is/are: cant may not request that any objection to the accement drawing sheet(s) including the correct ath or declaration is objected to by the Ex	a) \square accepted or b) \square objected the drawing(s) be held in abeyance. See ion is required if the drawing(s) is objection.	ected to. See 37 CFR 1.121(d).			
Priority under	35 U.S.C. § 119					
a)⊠ All 1.⊠ 2.□ 3.□	owledgment is made of a claim for foreign b) Some * c) None of: Certified copies of the priority documents Certified copies of the priority documents Copies of the certified copies of the prior application from the International Bureau e attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive Ju (PCT Rule 17.2(a)).	on No In this National Stage			
Attachment/e)						
2) Notice of Dra 3) Information	oferences Cited (PTO-892) aftsperson's Patent Drawing Review (PTO-948) Disclosure Statement(s) (PTO/SB/08) //Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite			

Application/Control Number: 10/590,663 Page 2

Art Unit: 1716

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection. It is also noted that in the Remarks page 8 under <u>Support for Amendments</u>, applicant asserts that claim 1 has been amended to define that the holding structure 9 as containing plural member 5, however the claim does not state this. Note, that the claim only recites that the holding structure allow in-plane rotation. The prior art of Sumio (JP 2001-179163) anticipates claim 1 as it teaches a rotary table 4 which supports the substrate W and rotates. Regarding claims 2-8 and new claims 9-13 the rejections are as follows:

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1,5,8,9,11 and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Sumio (JP 2001-179163).
- 5. Sumio teaches a rotary coater and rotary coating method. Note that though the apparatus and method are recited as being intended for coating the apparatus and method are also capable of being used in the unnecessary film removal apparatus and with the type of substrate recited in

Art Unit: 1716

the claims as the apparatus is what it is and not what it does. The apparatus of Sumio is inherently capable of treating the type of substrate recited in the claims. The apparatus of Sumio features a substrate holding structure (rotary stage 4), a chemical solution supply member (see elements 28,22,27,34, and 25), and a shield member 20 (top portion) with clearance 23 and guide member 51 (also anticipated by the side portions of the shield member) see Fig. 6.See also section [001] as a discussion of removing a think film. See also section [0010] and [0016]wherein it is taught that it is known to dissolve or remove a thin film.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 2-4, 6,7, 10, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sumio in view of Mitusaki (KR 2003-0020058).

The teachings of Sumio are discussed above. Sumio fails to teach distance adjusting members and clearance adjusting member.

The prior art of Mitsusaki teaches a method and device for removing an unnecessary film from the substrate (10). The apparatus of Mitusaki teaches a spinning table 20, a cover member 30, nozzles 40, 40a, and a guide member (sidewall part 35), In Mitsusaki, it is discussed that there is a distance determining member which adjusts a distance between a shield member and a substrate. See both the distance between the

Application/Control Number: 10/590,663

Art Unit: 1716

guide member and substrate is adjustable (d1 and d2) and the distance between the shield member and substrate(ds) are adjustable. The shape, number, and position of the distance adjusting members and shield member are matters of design choice that could have been determined without undue experimentation barring a showing of criticality. See the last three paragraphs of page 8 wherein the gap is discussed as being adjustable. Thus, it would have been obvious for one of ordinary skill in the art at the time of the claimed invention to combine the teachings of Sumio and Mitusaki and to design the shield member and distance determining member as recited as a matter of obvious design choice.

Page 4

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Application/Control Number: 10/590,663 Page 5

Art Unit: 1716

9. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Sylvia R. MacArthur whose telephone number is 571-272-1438.

The examiner can normally be reached on M-Th during the hours of 8 a.m. and 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Parviz Hassanzadeh can be reached on 571-272-1435. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

March 12, 2011

/Sylvia R MacArthur/ Primary Examiner, Art Unit 1716